

IN THE CLAIMS

1. (currently amended) An apparatus for managing a state of an external apparatus connected thereto, comprising:

a database;

a managed object (MO) managing the state of the external apparatus, the MO being provided in said database and realized by an application, the MO having a table storing information on the state of the external apparatus and a stored procedure defining a method related to the table; [[and]]

a control interface through which said MO performs outer control of the external apparatus from said database, the interface being provided in said MO; and

a protocol conversion part converting information in a first protocol into a second protocol for transmitting the information between said database and the external apparatus,
wherein

the control interface establishes an interface between the MO and the protocol conversion part.

2. (original) The apparatus as claimed in claim 1, further comprising a result notification interface for notifying said database of a result of the outer control performed by said MO with the result being correlated with the control, the result notification interface being provided in said MO.

Serial No. 10/075,642

Page 3 of 9

3. (original) The apparatus as claimed in claim 1, further comprising a change notification interface for notifying said MO of a change in the state of the external apparatus, the change notification interface being provided in said MO.

4. (canceled)

5. (original) The apparatus as claimed in claim 4, wherein said database and said protocol conversion part comprise a server computer managing the external apparatus.

6. (original) The apparatus as claimed in claim 5, wherein said MO performs outer control or a notification is transmitted to said MO from outside before said database completes transaction processing requested by a user application connected to the apparatus.

7. (original) The apparatus as claimed in claim 6, further comprising an event notification interface for notifying the user application of an event, the event notification interface being provided in said MO.

8. (original) The apparatus as claimed in claim 6, wherein an operation statement for operating said MO is provided in a query language for posing a query to said database from the user application.

84148604_1

Serial No. 10/075,642

Page 4 of 9

9. (original) The apparatus as claimed in claim 6, wherein said MO is operated by using a reference statement of a query language for posing a query to said database from the user application.

10. (original) The apparatus as claimed in claim 1, wherein said control interface is provided with a function of extending transaction processing in said database.

11. (original) The apparatus as claimed in claim 1, wherein control of establishing a session with said database is extended so that operations of a plurality of users are performed as one transaction.

12. (currently amended) A method of managing a state of an apparatus, the method realizing a managed object (MO) by an application and storing the state of the apparatus in a database, the MO managing the state of the apparatus,

wherein the MO is provided inside the database so as to have a table storing information on the state of the apparatus and a stored procedure defining a method related to the table, and performs outer control of the apparatus therefrom via a control interface,

wherein a protocol conversion part converts information in a first protocol into a second protocol for transmitting the information between the database and the apparatus, and

wherein the control interface establishes an interface between the MO and the protocol conversion part.

84198604_1

Serial No. 10/075,642

Page 5 of 9

13. (original) The method as claimed in claim 12, wherein said database is notified of a result of the outer control via a result notification interface provided in the MO with the result being correlated with the control.

14. (original) The method as claimed in claim 12, wherein the MO is notified of a change in the state of the apparatus provided external to the database via a change notification interface provided in the MO.

15. (canceled)

16. (original) The method as claimed in claim 15, wherein a server computer comprising the database and the protocol conversion part manages the apparatus connected to the server computer.

17. (original) The method as claimed in claim 16, wherein the MO performs outer control or a notification is transmitted to the MO from outside before the database completes transaction processing requested by a user application connected to the server computer.

18. (original) The method as claimed in claim 17, wherein the user application is notified of an event via an event notification interface provided in the MO.

84148604_1

Serial No. 10/075,642
Page 6 of 9

19. (original) The method as claimed in claim 17, wherein an operation statement for operating the MO is provided in a query language for posing a query to the database from said user application.

20. (original) The method as claimed in claim 17, wherein the MO is operated by using a reference statement of a query language for posing a query to the database from the user application.

21. (original) The method as claimed in claim 12, wherein the control interface is provided with a function of extending transaction processing in the database.

22. (original) The method as claimed in claim 12, wherein control of establishing a session with the database is extended so that operations of a plurality of users are performed as one transaction.

84148604_1